

Water Balance Report

Paterson River 2013 – 2014

Water balance component	Sources of water		Distribution of water		% of volume measured
	Volume (ML)	% of total	Volume (ML)	% of total	
Storage Volume					
Volume in storage at start of year	20,506				
Volume in storage at end of year	19,551				
Change in storage	955	1%		0%	100%
Storage net evaporation			55	0%	
Inflows					
Storage inflows (1)	23,560	27%			99%
Downstream tributaries (2)	62,345	72%			99%
Subtotal	85,905	99%			99%
Net water diverted under riparian rights					
Domestic and stock rights (3)			553	1%	99%
Native title rights					
Subtotal			553	1%	99%
Net Water diverted under access licences					
Domestic and stock			2	0%	100%
High security			25	0%	100%
General security			2,801	3%	100%
Local water utility			49	0%	100%
Supplementary water			216	0%	100%
Subtotal			3,093	3%	
Environmental water					
Net diversions to wetlands (Plan)			5,784	7%	100%
End of system flows (4)			77,375	89%	90%
Subtotal			83,159	96%	
Other outflows					
Unaccounted difference (6)			0	0%	99%
Total	86,860	100%	86,860	100%	95%

Notes:

1. Calculated from volume change, plus evaporation and releases of Lostock Dam.
2. Tributaries where gauged (Halton) - mass balanced to end of system - actual gauging 21,114 ML/d
3. Basic rights are not metered. Values presented are those in the Water Sharing Plan.
4. Gauged at Gostwyck.
5. All flows accounted in the mass balance. Actual regulated releases from Lostock Dam 12,478ML excludes hydro-generation released as spills.
6. Unaccounted differences include storage spill from Dam.
7. Planned environmental water delivery requirements were met 100% in 2013-14.